Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

1.   (currently amended) A method for providing a Web service by a plurality of ~~Web~~ domains ~~hosted by a computer,~~ through a single IP address, the method comprising:

a)   For each of ~~said~~ the domains, allocating a server having a unique domain name and ~~said~~ the IP address, for providing ~~said~~ the service;

b)   Providing a wrapper, the wrapper being a software module for intermediating between a client of ~~said~~ the service and ~~said~~ the servers via ~~the~~ a standard communication protocol for communicating with each of ~~said~~ the ~~severs~~ servers;

c)   Upon receiving a request for connecting ~~said~~ a client to the one of ~~said~~ the servers in order to provide ~~said~~ the service:

(i)   Identifying the target domain name of ~~said~~ the request by interacting between ~~said~~ the client and ~~said~~ the wrapper via ~~said~~ the standard protocol;

(ii)   ~~Interacting~~ Mediating the interaction between ~~said~~ the wrapper and the server providing ~~said~~ the service which is associated with ~~said~~ using the target domain name by ~~said~~ the standard protocol;

(iii)   Establishing a communication channel between ~~said~~ the server and ~~said~~ the client utilizing ~~said~~ the standard protocol; and

(iv)   Allowing ~~said~~ the server to provide ~~said~~ the service to ~~said~~ the client.

2.   (currently amended) [[A]] The method according to claim 1, wherein the a username phrase being used includes the a username and the corresponding domain name, and the domain name is separated from the username by at least one character that does not or more characters which do not conform with the standard characters allowed in a username in the standard protocol.

3.   (currently amended) [[A]] The method according to claim 2, wherein the username phrase is "user%domain" or "domain%user", in which "user" is the username, "domain" is the domain name, and "%" is any character which does not conform with to the standard protocol for such phrasing purposes.

4.   (currently amended) [[A]] The method according to claim 1, wherein said the Web services are chosen from among any of HTTP, FTP, POP3, SMTP, MIRC, Telnet, SSH, Rtelnet, and Shell.

5.   (currently amended) [[A]] The method according to claim 1, wherein each of said the Web domains refer refers to a different Virtual Dedicated Server.

6.   (currently amended) [[A]] The method according to claim 1, wherein said the IP address is associated with a computer system running computer system is a Unix-based system, any dialect of Unix, Solaris, Linux (including Red Hat, Debian, SuSE, FreeBSD, etc.), AIX, HP/UX, Tru64, or Irix.

7.   (currently amended) [[A]] The method according to claim 1, wherein each domain has its own instance of the server.

8.   (currently amended) [[A]] The method according to claim 7, wherein the server(s) servers of at least some or all the domains share the same disk space.

9.   (currently amended) [[A]] The method according to claim 8, wherein only one instance of some or all of the server(s) a server resides at the a Host, and being is referenced by hard links from the domains.

10.   (currently amended) [[A]] The method according to claim 1, wherein the wrapper is kept active for the an entire session when the communication channel is open.

11.   (currently amended) [[A]] The method according to claim 1, wherein the wrapper is kept active only until the requested server is identified, and the communication is handled handed to this the requested server.

12.   (currently amended) [[A]] The method according to claim 1, further comprising providing a new shared library including additional functionality compared to the an original shared library to which the standard communication protocol refers.

13.   (currently amended) [[A]] The method according to claim 12, wherein the additional functionality of the new shared library is added to the original shared library by hooking.

14.   (currently amended) [[A]] The method according to claim [[12]] 13, further comprising providing a buffer to each socket, for retaining temporarily the information received from the client, and reading the data from said the buffer if it is not empty, or from the socket if it the buffer is empty.

15.   (currently amended)   [[A]] The method according to claim 14, further comprising ignoring any write command until the buffer is empty.

16.   (currently amended) [[A]] The method according to claim 1, wherein ~~one~~ the same encryption key is used for all domains on each Host.

17.   (currently amended)   [[A]] The method according to claim 1, wherein the wrapper is provided with information related to secured services of the target domain in plain text.

18.   (currently amended) A system for providing a Web service to a client by a plurality of ~~Web~~ domains ~~hosted by a computer~~, through a single IP address, the system comprising:

- a plurality of servers, each server ~~for~~ providing ~~said~~ the service for a corresponding domain ~~each of said domains~~; and

- a wrapper, for intermediating between ~~said~~ the client and ~~said~~ the servers, ~~such that communicating with said client is carried out via the~~ using a standard communication protocol,

where for each request for connecting ~~said~~ the client ~~said~~ the server ~~said~~ the wrapper identifies ~~the~~ a target domain name by interacting with ~~said~~ the client via ~~said~~ the standard protocol, interacts with the server associated with ~~said~~ the target domain name via ~~said~~ the standard protocol, and enables ~~said~~ the server to provide ~~said~~ the service to ~~said~~ the client.

19.   (currently amended) [[A]] The system according to claim 18, wherein the wrapper is active for ~~the~~ an entire session when the client is connected to the server.

20.   (currently amended) [[A]] The system according to claim 19, wherein the wrapper is kept active only until the requested server is identified, and the communication is handled to ~~this~~ the requested server.

21.   (currently amended)   [[A]] The system according to claim 18, further comprising a new shared library including additional functionality compared to ~~the~~ an original shared library to which the standard communication protocol refers.

22.   (currently amended) [[A]] The system according to claim 21, wherein the additional functionality of the new shared library is added to the original shared library by hooking.

23.   (currently amended) [[A]] The system according to claim [[18]] 22, wherein the additional functionality includes retaining temporarily the information received from the client via a socket into a buffer, and reading the data from ~~said~~ the buffer if ~~it~~ the buffer is not empty, or from the socket if ~~it~~ the buffer is empty.

24.   (currently amended)   [[A]] The system according to claim 23, further comprising ignoring any write command until the buffer is empty.

25.   (currently amended) [[A]] The system according to claim 18, wherein the same ~~one~~ encryption key is used for all domains on each server.

26. (currently amended) [[A]] The system according to claim 25, wherein the wrapper is provided with information related to secured services of the target domain in plain text.

27. (currently amended) [[A]] The system according to claim 18, wherein each domain has its own instance of the server.

28. (currently amended) [[A]] The system according to claim 27, wherein servers ~~the server(s) of~~ corresponding to some ~~or all~~ of the domains share the same disk space.

29. (currently amended) [[A]] The system according to claim 28, wherein only one instance of some ~~or all~~ of the ~~server(s)~~ servers resides at ~~the~~ a Host, and ~~being~~ is referenced by hard links [[,]] from the domains.

30. (currently amended) A wrapper for handling the connection of clients to a plurality of Web domains hosted by a single Host, in which ~~said~~ the connection is handled over the standard communication protocol, ~~by~~ the wrapper providing a buffer to each socket for retaining temporarily ~~the~~ information received from ~~the~~ a client.

31. (currently amended) [[A]] The wrapper according to claim 30, further comprising providing ~~the~~ servers hosting the Web domain with additional functionality by hooking a new shared library to ~~the~~ an original shared library of the standard communication protocol.

32.   (currently amended)   [[A]] The wrapper according to claim 31, wherein, during the connection, "read" commands read the data from the buffer if it is not empty, or the data from the socket, if ~~said~~ the buffer is empty.

33.   (currently amended)   [[A]] The wrapper according to claim 30, wherein the connection further comprises ~~comprising~~ ignoring any write command until the buffer is empty.